

# ABSTRACT

A broad-band plate antenna is configured such that an (N-1)th linear element portion among N linear elements consisting of first to Nth linear element portions has a length longer than an (N-2)th linear element portion, an area of the (N-1)th linear element portion is made larger in a direction of the (N-2)th linear element portion, or in a direction of the Nth linear element portion, or in a direction of the (N-2)th and Nth linear element portions, one feeding point (14a) is provided in the Nth linear element portion closest to a groundplate portion (21), the other feeding point (14b) is provided in the (N-1)th linear element portion second closest to the groundplate portion (21), and an area in the vicinity of a conductive portion (26) of the (N-2)th linear element portion and an area in the vicinity of a conductive portion (26) of the Nth linear element portion closest to the groundplate portion (21) are connected to each other by a first conductor portion (31).